

Kansas Department of Health and Environment
Proposed New Regulations

Article 15a. Primary Drinking Water Regulations

FILTRATION AND DISINFECTION

28-15a-70. General requirements for filtration and disinfection. The provisions of 40 CFR 141.70(a) through (c), as in effect on July 1, 2003, are hereby adopted by reference. (Authorized by and implementing K.S.A. 65-171m; effective P-_____.)

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28-15a-72. Disinfection. Each person who operates a public water supply system using a surface water source or groundwater under the direct influence of a surface water source shall comply with the disinfection requirements specified in 40 CFR 141.72, as in effect on July 1, 2003 and hereby adopted by reference, with the following alterations:

(a) 40 CFR 141.72(a) shall be deleted.

(b) 40 CFR 141.72(b)(3)(i) shall be replaced with the following text:

“When chlorination is employed, a sufficient amount of chlorine shall be added to the water to maintain a distribution system chlorine residual of at least 0.2 mg/L of free chlorine or 1.0 mg/L of combined chlorine.

“Failure to maintain a residual as specified in paragraph (b)(1) in more than five percent of measurements taken each month, in any two consecutive months, shall be deemed a violation of this regulation.

“Each day the public water supply system serves water to customers, the operator shall make a measurement of the chlorine residual. The data shall be recorded in a manner that enables the secretary to determine whether or not the requirements of this regulation have been met.” (Authorized by and implementing K.S.A. 65-171m; effective P-_____.)

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28-15a-73. Filtration. Each person who operates a public water supply system that uses a surface water source or groundwater under the direct influence of a surface water source shall comply with the filtration requirements specified in 40 CFR 141.73, as in effect on July 1, 2003 and hereby adopted by reference, with the following modifications:

(a) 40 CFR 141.73(a)(4) shall be replaced with the following: “Beginning January 1, 2005, public water supply systems serving fewer than 10,000 people shall meet the turbidity requirements in 40 CFR 141.550 through 40 CFR 141.553.”

(b) 40 CFR 141.73(d) shall be replaced with the following: “Other filtration technologies. A public water supply system may use a filtration technology not listed in subsections (a) through (c) of this regulation if it demonstrates to the state, using pilot plant studies or other means, that the alternative filtration technology, in combination with disinfection treatment that meets the requirements of 40 CFR 141.72(b), consistently achieves either 99.9 percent removal or inactivation, or both, of *Giardia lamblia* cysts and either 99.99 percent removal or inactivation of viruses, or both. For a system that makes this demonstration, the requirements of subsection (b) of this regulation shall apply. Beginning January 1, 2002, systems serving at least 10,000 people shall meet the requirements for other filtration technologies in 40 CFR 141.173(b). Beginning January 1, 2005, systems serving fewer than 10,000

people shall meet the requirements for other filtration technologies in 40 CFR 141.550 through 40 CFR 141.553.” (Authorized by and implementing K.S.A. 65-171m; effective P-_____.)

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28-15a-74. Filtration and disinfection: analytical and monitoring requirements. The provisions of 40 CFR 141.74, as in effect on July 1, 2003, are hereby adopted by reference. (Authorized by and implementing K.S.A. 65-171m; effective P-_____.)

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28-15a-75. Filtration and disinfection: reporting and recordkeeping requirements. The provisions of 40 CFR 141.75, as in effect on July 1, 2003, are hereby adopted by reference.

(Authorized by and implementing K.S.A. 65-171m; effective P-_____.)

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28-15a-76. Filter recycling requirements. The provisions of 40 CFR 141.76, as in effect on July 1, 2003, are hereby adopted by reference. (Authorized by and implementing K.S.A. 65-171m; effective P-_____.)